



# WL-685R

## Feature

- RoHS Compliant
- Operates in the 2.4GHz, Backward Compatible in a 802.11b environment
- Wireless link speeds up to 54Mbps; 5 times faster than 802.11b devices.
- Up to 128-bit WEP Encryption, WPA, WPA2, 802.1x
- Seamless roaming from cell to cell and between 802.11b to 802.11g
- Support Windows XP/2000/ME/98SE

## Application

- Residential Building, Home
- Wire-Free Working Environment
- Networking Hotspots

## Wireless 11g USB Dongle

*High speed data rate up to 54bps*



### COMPATIBLE WITH 802.11b DEVICES

WL-685R is the 802.11g Wireless LAN client product from SparkLAN with a data transmission rate up to 54Mbps. Operating in 2.4GHz, the WL-685R is backward compatible with other 802.11b wireless LAN devices

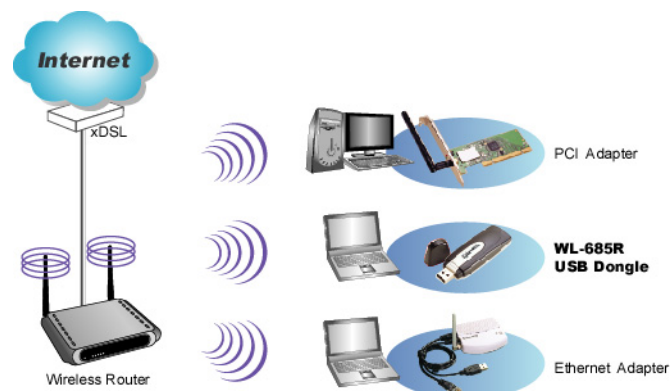
### UP TO 54Mbps

For 802.11b compatibility, 802.11g incorporates 802.11b's Complementary Code Keying (CCK) to achieve bit transfer rates up to 5.5 Mbps and 11Mbps in the frequency band of 2.4GHz. In addition, 802.11g adopts 802.11a's Orthogonal Frequency Division Multiplexing (OFDM) and speeds up its data rate up to 54Mbps.

### GREAT FOR VIDEO STREAMING

WL-685R enables high data rate multi-media applications, for example, DVD streaming transmission, Broadband bandwidth control and management.

## Application Diagram





# WL-685R

## Related Product

- WAPR-141  
Multi-Mode Access Point



## Ordering Info

- WL-685R  
802.11b/g USB Dongle
- CD-ROM with QIG and Manual

## Specifications

### ■ Standard

802.11b/g

### ■ Chipset

Mac/BB /RF Ralink RT257WF

### ■ Host Interface

USB 2.0 Dongle

### ■ Radio

Antenna Internal PCB antenna

Operating Frequency b/g ISM Band:2.412~2.484

Modulation 802.11b : CCK,DQPSK,DBPSK  
802.11g : OFDM

Output Power 802.11b : 13dBm  $\pm$  1.5dBm  
802.11g : 16dBm  $\pm$  1.5dBm

Receive Sensitivity 802.11b : -80dBm  $\pm$ 2dBm@11Mbps  
802.11g : -65dBm  $\pm$ 2dBm@54Mbps

### ■ Power consumption

Continue TX Max 500mW

Continue RX Max 500mW

### ■ Operating Voltage

DC 5V  $\pm$  5%

### ■ Environmental

Temperature Range 0 ~ 50°C (Operating) -20~65°C (Storing)

Operating Humidity 5 ~90% (Non-Condensing)

### ■ Physical Specification

Dimensions 96mm x 22mm x 14mm

Weight 30g

### ■ Software

Driver Windows 98SE/ ME/ 2000/ XP

Security 64/128-bit WEP, WPA/WPA2